



A MEMO TO THE SORA COMMUNITY

MAY 2024

This document accompanies the invoice sent to SORA for the services provided by SORAMITSU.

May 2024 was an incredible month of accomplishments. The SORA Integrated Plan continues to be the roadmap for the SORA network development pipeline, and the progress rate has steadily advanced.

This memo will provide a perspective on the activities for each track, a description of the development activities specific to this month, and the total amount of hours presented in invoice number 205061 served to the SORA Community.

1 SORA (Substrate) - 4,670hrs

This month's work emphasises [Kensetsu](#) while covering [ALT Technology](#), the [bridge to Liberland](#), the [Multi EVM bridge](#), HRMP channels, and a tokenomics upgrade.

The Kensetsu MVP has been operationalised thanks to an inspiring collaboration between the back-end, front-end, quality assurance, and security teams. The issues reported by QA and security have been thoroughly addressed, and work is ongoing for further iterations to augment and improve the product based on the SORA community's feedback.

As per ALT (Aggregate Liquidity Technology), the feedback provided by the QA team is being implemented, and test cases are being prepared. Special care and attention are given to this initiative as it constitutes a core part of the SORA financial system.

The bridge to Liberland has been operationalised, thanks to close collaboration between the SORA and Liberland builder communities. The Liberland government has been closely following the bridge's development and operationalisation ahead of production release.

The Multi-EVM bridge code review is ongoing, and testing in the development environment has begun. We are looking forward to leveraging this bridge's modular architecture to unlock asset transfers with the Binance Smart Chain and other EVM-based ecosystems.

Opening HRMP channels to other Polkadot ecosystem networks is an ongoing focus. Token transfers between SORA and Astar are now available, and the UI is being finalized on Polkaswap.

The SORA community submitted a proposal to the Polkadot governance to open a channel to the Asset Hub, which the Polkadot community has accepted, but whose execution unfortunately failed due to a limits issue on the Polkadot side. With the upcoming Polkadot runtime upgrade, the SORA community will resubmit the HRMP channel proposal without undertaking the OpenGov process again.

Conversations and governance processes with other networks to open new channels are also ongoing.

The tokenomics upgrade implementation is in progress, with the changes undergoing testing.

To strengthen bonds between the builders of the SORA ecosystem, technical support was provided to the Ceres team to review and release the Apollo platform, to the Palmatrix team integrating SORA into their Telegram trading bot, and to other potential builders interested in building on SORA. The SORA community has also been discussing with other companies and international organizations to build Proof of Concepts on the SORA network.

Additional work on SORA Substrate infrastructure includes codebase housekeeping, maintenance, cleaning, optimization, collaboration, and research on blockchain infrastructure for central banks powered by SORA.

Collaboration and blockchain architecture research for SORA v3, including integration or interoperability with Central Bank networks, is ongoing.

Finally, ongoing project management activities include SORA Governance and Technical committee support, quality assurance ops, and development support for external teams building on the SORA network.

On the mobile side, work on SORA Card Phase 2 continues, synchronized with external partners. This implementation brings crypto-to-fiat conversion, integration, and cross-communication of the fiat wallet application to the SORA wallet and improvements to the KYC flow.

1.1 SORA Backend

- Kensetsu:
 - Supporting the front-end team for the implementation of the UI / UX;
 - Fixing issues reported by the QA and Security teams;
 - Releasing and operationalising the MVP;
 - Working on the next iterations for augmenting and improving the product.
- Tokenomics upgrade:
 - Implementing the changes in tokenomics;
 - Testing the changes in tokenomics.
- Bridge to Liberland:
 - Testing of the bridge;
 - Synchronization with the sovereign state's team to release the implementation to production;
 - Operationalisation of the bridge to Liberland and the production environment.

- Multi-EVM Bridge:
 - Reviewing code;
 - Deploying and testing the bridge in the development environment.
- HRMP Channels:
 - Opening channel and implementing UI for transfers with Astar, AssetHub parachains;
 - Synchronization with other parachain teams interested in setting up HRMP channels with SORA.
- Aggregate Liquidity Technology (ALT):
 - Fixing implementation based on feedback from the Quality Assurance team;
 - Writing test cases.
- Collaborating with the Ceres team and reviewing the Apollo implementation;
- Collaborating with private companies and implementing Proof of Concept projects on SORA;
- Codebase maintenance, cleaning, and optimisation;
- Collaboration and research on blockchain architecture for central banks powered by SORA (SORA v3);
- Project management activities (daily meetings, planning, retrospectives);
- Quality assurance and testing activities, as well as the development of automated tests.

1.2 Mobile App

- Implementation of Phase 2:
 - Crypto <> Fiat conversion;
 - Integration of fiat wallet application;
 - Implementation of cross-app communication between SORA and Fiat wallets;
 - Improvements to KYC flow.
- Project management activities (daily meetings, planning, retrospectives);
- Product Design activities;
- QA and testing activities;
- Communicated and synchronized with external partners for SORA Card: Phase 2.

2 Substrate (PSWAP) - 984 hrs

Polkaswap has received a substantial amount of ongoing improvements, including:

- Kensetsu UI improvements:
 - New API support;
 - Debt token selection while creating positions;
 - Support for different debt tokens in the Kensetsu & Position details pages;
 - Feedback gathering and subsequent UX enhancements.
- Tokenomics upgrade support:
 - New tokens: KARMA, SB, KXOR;
 - Updated swap routes for Chameleon-based pairs;
 - Improved Pool API to work with Chameleon-based pools;
 - Kensetsu upgrade.
- HASHI Substrate bridge enhancements:
 - Astar network support;
 - Added account connection.
- Polkaswap as Telegram Mini App:
 - Added import/create account for the Telegram mini app;
 - Added Telegram API integration;
 - Improved responsive design for small devices/Telegram mini app.
- Governance page development;
- Currency selection (EUR, USD, etc) for fiat values;
- Project management activities (daily meetings, planning, retrospectives);
- Product design activities;
- QA and testing activities.

3 DevOps and Security - 518 hrs

The work done this month by DevOps covers the SORA network as well as its underlying infrastructure. Here are more details:

3.1 SORA Blockchain

- Automated parachain registration for dev environments;
- Improved CI/CD pipeline;
- Improved CI/CD for the Assethub environment;
- Internal security audit for the Kensetsu platform.

3.2 Parachain

- Improved CI/CD pipeline;
- Security checks improved;
- A new version has been released and deployed.

3.3 Polkaswap

- Improved CI/CD pipeline;
- Working on fault tolerance.

3.4 Mobile Clients

- Updated CI/CD pipeline:
 - New autotests;
 - Library improved.

3.5 SORA Card

- Improved CI/CD;
- Prod DB is encrypted;
- Working on Infrastructure hardening.

4 Education – 829 hr

Educational operations this month included:

4.1 SORA

- Ecosystem update;
- Ongoing wiki improvements;
- Social media management;
- HRMP Political campaign;
- SORA network upgrade v3.4.0 communications;
- SORA Balance Sheet Yield information;
- Kensetsu campaign;
- SORA v3 campaign;
- Weekly network digest recap;
- Relationship management with parachain teams to open HRMP channels;
- Discussions with potential partners to integrate their services into the SORA wallet and integrate SORA DeFi services into their product;
- Cross-team, cross-department synchronization and planning on processes;
- Product-Marketing collaboration on marketing campaigns;
- Product-education collaboration on campaigns;
- Data analysis of the network and ecosystem to drive data-driven decision-making;
- Meeting and brainstorming with builders partners for implementing projects on SORA;
- Brainstorming, strategising, and planning for SORA v3;
- SORA evangelisation at industry events and conferences.

4.2 Polkaswap

- Ecosystem update;
- Social media management ;
- Kensetsu campaign:
 - AMA Promotion and recap;
 - Video guide.
- Karma Burn Drop campaign;
- Polkaswap upgrade v1.35.0;
- Cede widget campaign.
- Attending high-impact in-person events and business to government (B2G) expenses.

5 Total Hours – 7,001 hr

Additionally, invoice 205060, attached, pertains to cloud server costs for May 2024.

All SORA Ecosystem Memo payments provide collateral to the Token Bonding Curve.

Your ongoing support is greatly appreciated, and we look forward to continuing to serve you.

Sincerely,

SORAMITSU Helvetia AG

The SORA Ecosystem Updates published on [June 5](#) and the Polkaswap update published on [June 5](#) present supporting concept updates.

Invoice

Invoice for SORA.org	Payable to	Issue Date 10 June 2024	Invoice Number 205060
	Project Cloud Service Provider Cost for May 2024	Due Date 17 June 2024	

Description	Amount (CHF)
Cloud Service Provider Cost for May 2024	12,164.00
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Subtotal	12,164.00
Tax	0.00

Total Amount Due

CHF 12,164.00

Wallet Address (TBCD): cnWP3DYJ5afJZaZsvJ84REqBjqLDRbknejXtCqzj5DC6eQX1R

Thank you very much for your business. We are looking forward to serving you again.

Invoice

Invoice for SORA.org	Payable to	Issue Date 10 June 2024	Invoice Number 205061
	Project Development Cost for May 2024	Due Date 17 June 2024	

Description	Quantity (Work-Hours)	Unit Price (CHF)	Amount (CHF)
SORA (Backend, Mobile Apps)	4,670	333.00	1,555,110.00
Polkaswap (Backend, Frontend)	984	333.00	327,672.00
DevOps and Security Review	518	333.00	172,494.00
Education	829	333.00	276,057.00
Subtotal	7,001.00	333.00	2,331,333.00

	Subtotal	2,331,333.00
	Tax	0.00

Amount Due	CHF 2,331,333.00
Grand Total Due (Invoice 205060 & 205061)	CHF 2,343,497.00

Wallet Address (TBCD): cnWP3DYJ5afJZaZsvJ84REqBjqLDRbknejXtCqzj5DC6eQX1R

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